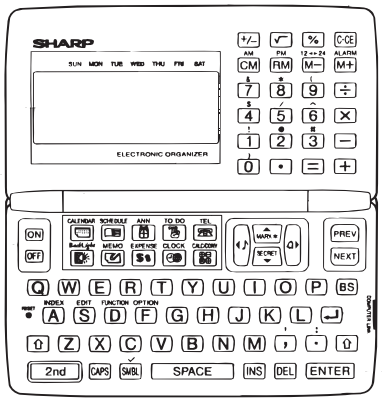
SHARP SERVICE MANUAL

CODE: 00ZYO470SM//E



REPLACEMENT MODEL

YO-470

MODEL ZQ-470/475

STANDARD FUNCTION	12 digits 1 M	KEY SYSTEM: Rubber key
DISPLAY SECTION: ELEMENT: FSTN LCD	PARTS NAME: LD-N30279JY-1	
NUMERAL: 19 digits (5 lines)		
0.04, 0.63, 0.47, 0.04 (mm)	119 x 32 dot matrix liquid crystal display 19 columns x 5 lines	
LSI: CPU: LI35930L (178 pin-chip)		
LSI: SRAM: TC551001CF-70L (32 pin)		
POWER SUPPLY	AC: X	DC: ❍
Main power supply: 6 VDC lithium batteries (CR2032 x 2) Memory backup power: 3 VDC lithium battery (CR2032 x 1)		
AC ADAPTOR		
RECHARGEABLE BATTERY		
POWER CONSUMPTION	0.1 W	
AUTO POWER OFF TIME	Approx. 7 minutes	
MEMORY PROTECT	Yes	
DIMENSIONS(mm)		
Open: 138(W) x 146(D) x 9.9(H) mm. Closed: 138(W) x 77.5(D) x 19.4(H) mm.		
Weight	145 g (including batteries)	
CALCULATIONS		
Addition, subtraction, multiplication, division; constant, square root, percent, memory calculation, etc. (with currency conversion function)		
Accessories		
Lithium batteries (CR2032 x 3: installed in the factory at the time of shipment) Operation manual		

Electronic notebook section

TEL mode	Names, phone numbers, and addresses
SCHEDULE mode	Dates, appointment times, and details of appointments Automatic day-forward function, schedule alarm function
ANN mode	Dates and details of anniversaries
CALENDAR mode	Display of calendars from January 1901 to December 2099 Schedule mark function distinguishing between morning and afternoon appointments Anniversary mark function
MEMO mode	Everyday memos
TO DO mode	Items, priority assignment
EXPENSE mode	Expense date, amount and description
Memory capacity	128 Kbytes (User area: Approx. 126 Kbytes) SCHEDULE mode capacity:Approx. 1990 entries TEL mode capacity:Approx. 3080 entries MEMO mode capacity:Approx. 920 entries • The approximate entry capacities above assume the following average entry sizes when all memory is used by a single mode. SCHEDULEDescription 32 characters/entry TELName 16 characters/entry Number 12 characters/entry MEMO128 characters/entry
Maximum character string length per entry	512 characters
Other features	Secret function, data transfer, index display

Clock

Crystal oscillation frequency	32,768 Hz
Clock precision	Average variance ±60 seconds per month (at 25°C/77°F)
Display contents	year, month, day, day of week, hours, minutes, A.M./P.M., city names, time zone
Time system	12-hour or 24-hour
World clock function	Display of date and time for the world's cities Enable/disable control for daylight saving time display function

Battery life

Operating batteries

- Approx. 1,200 hours
  When data is continuously displayed without Backlight (at 25°C/77°F).
- Approx. 300 hours
  When data is continuously displayed with Backlight for 2 minutes per hourly use (at 25°C/77°F).
- Approx. 270 hours
  When data is searched for 5 minutes, and displayed for 55 minutes per hourly use and Backlight is on for 2 minutes per hourly use (at 25°C/77°F).
- Approx. 1.5 years
  When turned off, and the clock is running (at 25°C/77°F).

Memory backup battery

- Approx. 5 years (if operating batteries are replaced promptly when exhausted)
- Approx. 1 years (if operating batteries are exhausted or not installed)

Parts marked with "⚠" is important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

SHARP CORPORATION

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The contents are subject to change without notice.

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Parts List

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	YO-470	ZQ-470	ZQ-475
1	0EEFADDBS71006	AE	N	D	Battery door	○	○	○
2	0EEMAB20010202	AA	N	C	Screw (for battery door)	○	○	○
3	0EEHAHMDBS7200	AU	N	D	Instruction book (E,S) [U1U]	○		
	0EEHDHiDBS72M9	AU	N	D	Instruction book (E,F) [Y12,LA2,LB2,LL2]		○	○
	0EEHDHMDBS7307	AZ	N	D	Instruction book (3 Languages) [LD0,LM0]		○	

Note)

Packing form

Form	MODEL	SPEC	Country
Clamshell	YO-470	U1U	SEC
	ZQ-470	Y12	SECL
		LB2	SCA
		LL2	SRS, STCL
Universal	ZQ-475	LA2	SUK
	ZQ-470	LD0	SRH
		LM0	Agent

Note: Calendar: YO-470, ZQ-470; Starting from Sunday.
Calendar: ZQ-475; Starting from Monday.

CAUTION FOR BATTERY REPLACEMENT

(Danish) ADVARSEL !
Lithiumbatteri – Eksplosionsfare ved fejlagtig håndtering.
Udskiftning må kun ske med batteri
af samme fabrikat og type.
Levér det brugte batteri tilbage til leverandoren.

(English) Caution !
Danger of explosion if battery is incorrectly replaced.
Replace only with the same or equivalent type
recommended by the equipment manufacturer.
Discard used batteries according to manufacturer's instructions.

(Finnish) VAROITUS
Paristo voi räjähtää, jos se on virheellisesti asennettu.
Vaihda paristo ainoastaan laitevalmistajan suosittelemaan
tyyppiin. Hävitä käytetty paristo valmistajan ohjeiden
mukaisesti.

(French) ATTENTION
Il y a danger d'explosion s' il y a remplacement incorrect
de la batterie. Remplacer uniquement avec une batterie du
même type ou d'un type recommandé par le constructeur.
Mettre au rébut les batteries usagées conformément aux
instructions du fabricant.

(Swedish) VARNING
Explosionsfare vid felaktigt batteribyte.
Använd samma batterityp eller en ekvivalent
typ som rekommenderas av apparattillverkaren.
Kassera använt batteri enligt fabrikantens
instruktion.

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